## "ATM Header Compression Using Hash Tables"

Application No.: Unassigned Applicant: Yan WU, et al. Attorney Docket No.: 56162.000480

Sheet 1 of 6

## <u>100</u>

Byte 1	GFC <u>102</u>	VPI <u>104</u>			
Byte 2	VPI VCI 106 108				
Byte 3	VCI VCI 110 112				
Byte 4	VCI <u>114</u>	PTI <u>116</u>	CLP 118		
Byte 5	HEC 120				
Byte 6			-		
•	Payload (48 bytes) <u>122</u>				
Byte 53					

Conventional ATM cell (53 bytes)

Fig. 1 (prior art)

"ATM Header Compression Using Hash Tables" Application No.: Unassigned Applicant: Yan WU, et al. Attorney Docket No.: 56162.000480 Sheet 2 of 6 222 ATM Cells 224 226 Receiver 204 ATM Header Decompression -236 Header Table <u>240</u> **ATM Cell** 222 228 Header Table Update Cell (Idle Cell) 200 Reduced ATM Cells 232 230 ATM Header Compression -206 Hit Counter Table 212 Transmitter 202 Heade Table 210 222 ATM Cells 224 HEC Table 208 226

Fig. 2

"ATM Header Compression Using Hash Tables"

Application No.: Unassigned Applicant: Yan WU, et al. Attorney Docket No.: 56162.000480

Sheet 3 of 6

## <u>300</u>

	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
Byte 1	Flag 302	Index <u>304</u>			Resv 306	PTI -bit 0 <u>308</u>	Parity <u>310</u>	
Byte 2								
•	Payload (48 bytes) <u>312</u>							
Byte 49		***	<u>.</u>					

Reduced ATM cell (49 bytes)

Fig. 3

"ATM Header Compression Using Hash Tables" Application No.: Unassigned

Applicant: Yan WU, et al. Attorney Docket No.: 56162.000480

Sheet 4 of 6

## <u>400</u>

	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
Byte 1	Flag <u>402</u>	Idle Cell Index (0x0F) 404			Update Flag <u>406</u>	Resv 408	Parity <u>410</u>	
Byte 2	CRC <u>412</u>							
Byte 3	Reserved 414							
Byte 4	Reserved 416							
Byte 5	HEC 418							
Byte 6								·
	Header Table (4x11) <u>420</u>							
Byte 49	<del></del>		···				·-	

Idle cell (49 bytes)

Fig. 4

"ATM Header Compression Using Hash Tables"

Application No.: Unassigned
Applicant: Yan WU, et al.
Attorney Docket No.: 56162.000480

Sheet 5 of 6

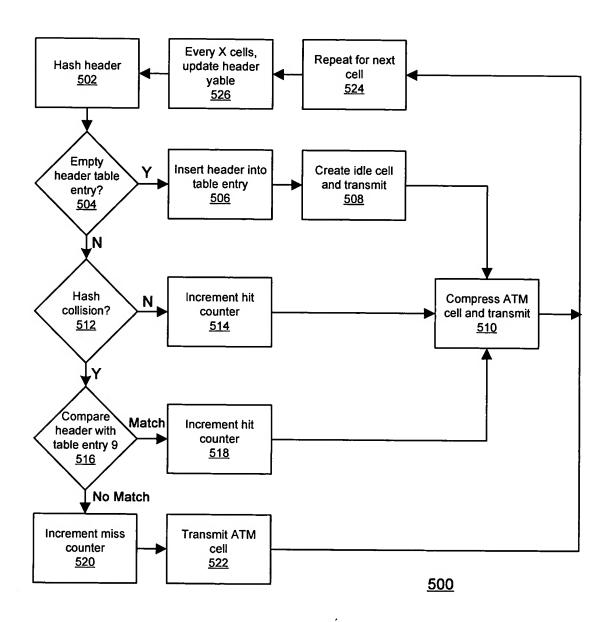


Fig. 5

"ATM Header Compression Using Hash Tables" Application No.: Unassigned applicant: Yan WU, et al. Attorney Docket No.: 56162.000480 Sheet 6 of 6

